



WESTERN and
NORTHERN CANADIAN

for collaboration in education

de l'OUEST
et du NORD CANADIENS

de collaboration concernant l'éducation

Annotated Bibliography

and Resource List

K-9 Mathematics

DRAFT – October 2008

QA
14
C2
A4315
2008
gr.K-09
c.4
CURR
GUIDE

WNCP Authorized Resource List

Grades K, 1, 2, 4, 5, 7, and 8

This annotated bibliography identifies the English language resources endorsed by all the Northern and Western Canadian Protocol (WNCP) jurisdictions implementing *The Common Curriculum Framework for K-9 Mathematics, 2006*.

A WNCP Resource Review for grades 3, 6 and 9 mathematics resources will be held in January 2009. Those resources that are authorized by the WNCP through this review process will be added to this annotated list of resources in May 2009.

Resources are listed alphabetically within each grade. The information provided for each resource includes:

- Title of the resource
- Grade it is authorized for
- Vendor name, order number and price
- An annotation

Mathematics – Kindergarten

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Math Focus Kindergarten

This resource consists of a teacher's guide, 10 double-sided posters and a CD-ROM with modifiable WNCP blackline masters and assessment tools. The teacher's guide and poster set are sold separately.


All WNCP outcomes for Kindergarten are addressed.

The teacher's guide includes reproducible pages with activities, family letters and assessment tools as well as suggestions for planning, assessment and classroom set-up. There are four units, organized by strand. Each section begins with a planning chart that lists activities, goals and materials required. Each activity provides the learning goal(s), the materials required, lesson variations and suggestions for observing students to promote learning. Centre-based, cross-curricular activities are provided at the end of each section to reinforce the concepts taught. Literature connections are listed separately and within activities. Family letters are included for each section.

A yearly plan is included that allows students to revisit each strand and build upon previously taught concepts. Three summative projects are also included. Assessment blackline masters contain observation checklists and performance-based tasks.



Cautions:

- Web sites are identified in this resource, but have not been reviewed or authorized by WNCP.

	Math Focus (Kindergarten): Core Posters	2007	Basic	680480	\$189.35
	Math Focus (Kindergarten): Teacher's Resource	2007	Teaching	680498	\$241.95

Mathematics – Kindergarten (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
Maximizing Math (Kindergarten)				
<p>This resource includes a teacher's guide and three student Big Books. The Big Books and teacher's <i>WNCP</i> guide are sold separately.</p> <p>The teacher's guide is organized by strands and contains lessons for specific outcomes that reflect the intent of the <i>WNCP</i> Common Curriculum Framework Achievement Indicators. Lesson Plans include curriculum links, mathematical processes to be addressed, differentiated instruction suggestions and ideas for extending student learning. Assessment tasks are included in the blackline masters, along with student self-assessments.</p> <p>The student Big Books are short (8 pages) and each book represents one of the outcomes. There are blackline masters for the teacher to make this book.</p> <p>Comments:</p> <ul style="list-style-type: none"> Some students may not have the fine motor skills required to complete some of the student tasks. 				
	Maximizing Math (Kindergarten): Patterns Big Book; Monsters Think Big Book; Mr. Buttons Big Book	2007	Basic	
	Patterns Big Book (Patterns and Relations)		680729	\$14.90
	Monsters Think Big Book (Shape and Space)		680711	\$14.90
	Mr Buttons Big Book (Number)		680703	\$14.90
	Maximizing Math (Kindergarten): Teacher Resource	2007	Teaching	680696 \$94.20

Mathematics – Kindergarten (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Pearson Math Makes Sense K (WNCP Edition)



This resource consists of a teacher's guide, a Big Math Book and a CD-ROM of the teacher's guide *WNCP* in PDF and/or editable form. The teacher's guide and Big Math Book are sold separately.

The teacher's guide includes a program overview, planning and assessment support and four units (Exploring Patterns, Exploring Number, Exploring Geometry and Measurement, and Exploring Numbers to 10). Suggestions are provided for daily, unit and yearly planning that reflect half-day, alternate-day and full-day Kindergarten programs. Lessons include before, during and after activities with an assessment component. Problem solving is integral to each lesson. The resource provides teachers with probing questions that encourage students to explain their own thinking.

Lessons include specific suggestions to support ESL students and students who require additional reinforcement, as well as extension activities for those students who require enrichment. Unit centres and activity banks provide additional activities that address multiple intelligences while developing mathematical understandings. A literacy link suggests books that can be integrated with each lesson.

Each unit includes a family letter that provides a summary of the mathematical concepts being addressed and suggested activities to use at home to reinforce key concepts.

The Big Math Book includes chants, poems and songs that encourage the development of mathematical concepts.

 Pearson Math Makes Sense K (WNCP Edition): Big Math Book	Basic	680406	\$264.70
 Pearson Math Makes Sense K (WNCP Edition): Teacher Guide	Teaching	680414	\$264.70

Mathematics – Grade 1

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Math Focus 1

This resource consists of a student text, teacher's resource guide and a poster pack. The student *WNCP* text, poster pack and teacher's resource guide are sold separately.

The student text includes stories, activities and student-choice investigations that correlate with chosen concepts outlined in the teacher's resource guide and poster pack.

The lessons are organized into ten units. Each unit within the teacher's resource guide follows a consistent pattern of an introductory activity (termed "Jump In"), numerous problem-solving activities and a concluding chapter task.

Mathematical understandings are developed through activity-based lessons that promote visualization and reasoning. Rather than the discrete presentation of mathematical concepts, this resource provides connections across strands and to real-world phenomena. Games, activities and additional literature selections are included for extended development of presented concepts.

The overview for each chapter provides information on the mathematical processes, essential prerequisites, basic principles of the concept and planning aids. "Teaching Ideas" is a section in each chapter that suggests mathematics words, technology integration, literature connections, planning for materials, language strategies, adaptations and challenges. "Assessment in This Chapter" is a section at the beginning of each chapter that includes an initial assessment, opportunities for feedback and assessment of learning.

The poster pack features double-sided laminated posters, acetate, a hanging kit and dry erase markers. The posters are used to explore novel mathematical concepts and promote discussion.

Comments:

- The images in the poster pack and student text are, at times, difficult to interpret due to their size or clarity.

Math Focus 1: Core Posters	2007	Basic	680539	\$189.35
----------------------------	------	-------	--------	----------

Math Focus 1 (Student Text)	2007	Basic	680513	\$21.00
-----------------------------	------	-------	--------	---------

Math Focus 1: Teacher's Resource	2007	Teaching	680547	\$241.95
----------------------------------	------	----------	--------	----------

Mathematics – Grade 1 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Maximizing Math (Grade 1)

This resource contains a teacher resource binder and a consumable student text. The student text *WNCP* and teacher's resource are sold separately.

The teacher resource can be used as a stand-alone resource.

The teacher resource binder is divided into three strands: Number, Patterns and Relations and Shape and Space. Multiple strategies for concept development are noted, including learning centres, whole group instruction and cooperative learning activities. A sample suggested year plan is included with time allotments. Each chapter in the teacher resource begins with a glossary and an overview. A teaching overview chart is provided for each chapter with its corresponding specific outcomes, blackline master pages, learning centre ideas, homework suggestions and materials needed for each lesson. Assessment tasks include oral, written and student self-assessment tasks.

Solutions to the student pages are located at the back of the teacher resource binder.

Comments:

- The teacher will have to go beyond the instruction in the teacher guide in order to fully address the process of problem solving.
- Some students may not have the fine motor skills required to complete some of the student tasks.
- The resource provides limited work at the concrete level.

Maximizing Math (Grade 1) (Student Resource)	2007	Basic	680670	\$13.40
--	------	-------	--------	---------

Maximizing Math (Grade 1): Teacher Resource	2007	Teaching	680688	\$123.95
---	------	----------	--------	----------

Mathematics – Grade 1 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Pearson Math Makes Sense 1 (WNCP Edition)

This resource consists of a full-colour consumable student text, a full-colour laminated Big Book and a teacher's guide with a CD-ROM. The student text, big book and teacher's guide are sold separately.

The teacher's guide correlates with each unit in the student text and aligns with each strand of the Common Curriculum Framework. Lessons within each unit follow a consistent pattern of exploring, connecting and practising mathematical concepts. This resource includes problem-solving lessons that move from simple to complex and concrete to abstract. Activity-based investigations outline opportunities for sharing, reflecting and negotiating learning through the use of personal strategies and activation of prior knowledge. Additional mathematical activities are provided in three take-home booklets.

Opportunities to integrate suggested familiar children's literature and mathematical centres are described throughout the resource.

The teacher's guide also includes a planning and assessment support module. A balance of diagnostic, formative and summative assessment opportunities, with assessment tools to track student achievement, are integrated into each unit.

Each unit in the student text includes activities to reinforce explored concepts, a focus statement to communicate key learning, a family letter detailing the objectives of the upcoming unit and a home connection suggestion for further reinforcement.

The visual images in the Big Book are correlated to the introduction and exploration component of selected lessons.

Comments:

- The concepts of equality and inequality may need to be supplemented by the teacher.

Pearson Math Makes Sense 1 (WNCP Edition): Big Math Book	2007	Basic	680456	\$264.70
--	------	-------	--------	----------

Pearson Math Makes Sense 1 (WNCP Edition) (Student Book)	2007	Basic	680430	\$13.75
--	------	-------	--------	---------

Pearson Math Makes Sense 1 (WNCP Edition): Teacher Guide	2007	Teaching	680464	\$264.70
--	------	----------	--------	----------

Mathematics – Grade 2

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Math Focus 2

This resource includes a student book, poster pack of 15 double-sided posters and a teacher resource consisting of 10 booklets. The student book, poster pack and teacher resource are all sold separately.

Each chapter in the teacher's resource contains a table of contents, mathematical overview, teaching ideas, suggestions for differentiating instruction, and planning guides. "Planning for the Chapter" outlines the lessons, activities, learning goals, materials and assessment strategies. For each lesson, the learning goals and mathematical processes are identified. A lesson is divided into three sections—Getting Started, Working It Out and Reflect & Connect—and includes approximate time frames for each component. There are suggestions for feedback to students including what to look for and what to do, a chapter task, a "Keep Going" section with a connection to literature and more activities for practice. Also included are a family letter, illustrated blackline masters for the lesson, a task rubric, a chapter interview template, an interview recording template, a checklist template, an assessment of learning summary template and pictures of the student book with sample answers.

The student resource consists of a textbook and a set of posters. Both are correlated with the lessons outlined in the teacher resource.

Comments:

- The teacher may need to supplement the material provided in this resource to develop an in-depth understanding of personal strategies for two-digit addition and subtraction.

Math Focus 2: Poster Pack	Teaching	735491	\$189.35
---------------------------	----------	--------	----------

Math Focus 2 (Student Book)	Basic	735475	\$21.00
-----------------------------	-------	--------	---------

Math Focus 2: Teacher's Resource	Teaching	735483	\$241.95
----------------------------------	----------	--------	----------

Mathematics – Grade 2 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Pearson Math Makes Sense 2, WNCP Edition

This series consists of a full-colour consumable student text, a laminated Big Book and a teacher **WNCP** resource, each sold separately.

The teacher resource consists of eight unit booklets plus an overview and a planning and assessment booklet. The booklets are enclosed in a three-ring binder.

Each unit in the teacher resource contains the following topics: mathematical background, curriculum across the grades, curriculum overview, planning for instruction, suggested time frame and planning for assessment. A launch provides an introduction to the unit with information on mathematical concepts. Each lesson provides a curriculum focus, mathematical word wall suggestions, materials and program resources needed. The lesson is divided into three sections: Before, During and After. The "After" section includes practice with reinforcement, extra support and extensions. There is an assessment for learning section that accesses prior knowledge and a "What to do" at the end of each lesson. The assessment materials include templates for a diagnostic checklist, a diagnostic conference for selected children, an ongoing observation checklist, a performance task rubric and a unit summary rubric. Blackline masters for each lesson are provided at the back of each teacher resource booklet. The teacher guides include mathematical vocabulary for professional development.

The student resource is a 216-page consumable book. It includes literature selections, practice pages, letters to parents and tear out "Math at Home" pages. This resource identifies a "Math Focus" (goals) and "Home Connection" (ways to help at home) for each lesson.

A Big Book is part of the basic resource package. It contains poster-like pages to initiate classroom discussions.

Comments:

- The teacher may need to supplement the material provided in this resource to develop an in-depth understanding of personal strategies for two-digit addition and subtraction.
- Little books, a CD and *Teacher Resource Support for Combined Grades* are referenced in the teacher resource but must be purchased separately.

Pearson Math Makes Sense 2 (WNCP Edition) - Big Math Book	2007	Teaching	735938	\$264.70
Pearson Math Makes Sense 2 (WNCP Edition) (Student Book)	2007	Basic	735920	\$13.75
Pearson Math Makes Sense 2 (WNCP Edition): Teacher Guide	2007	Teaching	735946	\$264.70

Mathematics – Grade 4

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Math Focus 4

This resource consists of a hardcover student textbook and a teacher's resource consisting of twelve **WNCP** separate booklets. The student text and teacher's resource are sold separately.

The teacher's resource provides a scope and sequence chart that outlines Grade 3 learning outcomes, Grade 4 specific outcomes with achievement indicators and Grade 5 learning outcomes. There is a colour copy of each page from the student text in the teacher's resource. Connections to other subjects, reading strategies and literature links are also provided.

Each lesson begins with prerequisite skills/concepts, specific outcomes with achievement indicators and a general goal. A chart outlining the preparation and planning for each lesson is provided, as well as valuable sample discourse scenarios. Opportunities for differentiating instruction either for challenge or support are outlined for each lesson. Student tasks include problems, games, practice activities and scaffolding activities specific to the outcomes. Student-worked examples are provided throughout. Each lesson is introduced and developed around a central question that encourages problem solving while developing conceptual understanding and procedural knowledge.

Opportunities for formative assessment are provided with the prompt questions, reflecting questions, key questions and closing question components of each lesson. The teacher's masters booklet provides additional assessment tools in the form of tests, rubrics, checklists and blackline masters.

A glossary of instructional and mathematical words is located in the student text.

This resource is also available as a digital file for students with special education needs in the password-protected Digital Repository. For information on accessing the Digital Repository, please see the information flyer at <http://www.lrc.education.gov.ab.ca/pdf/Digr-Info-Flyer.pdf>.

Comments:

- The properties of 0 and 1 are not sufficiently addressed in this resource. The teacher may wish to use supplementary resources when teaching these concepts.

Cautions:

- Web sites are identified in this resource but have not been reviewed or authorized by the WNCP.

Math Focus 4 (Student Text)	Basic	680563	\$38.90
-----------------------------	-------	--------	---------

Math Focus 4: Teacher's Resource	Teaching	680589	\$284.00
----------------------------------	----------	--------	----------

Mathematics – Grade 4 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Pearson Math Makes Sense 4 (WNCP Edition)

This resource consists of a student text and teacher's guide with a DVD and CD-ROM. The student text is in colour and is hardcover while the teacher's guide consists of separate unit booklets within a binder. Both the DVD and CD-ROM contain .PDF and editable files. The student text and teacher's guide are sold separately.

The teacher's guide includes an overview of the curriculum, additional activities, unit plans, lesson plans, and suggested strategies for reaching all learners. These strategies include those for ESL students, alternative explorations, common misconceptions, extensions and assessment tools.

The student text includes chapter launches, games, unit reviews, unit problems, investigations, cumulative reviews, an illustrated glossary and an index. Answers to questions in the student resource are provided in the teacher's guide.

These resources provide for both formative and summative assessment. Every unit has both a unit problem and a unit test. Rubrics are also provided which include sections about conceptual understanding, procedural knowledge, problem solving skills and communication. There is a blackline master in every unit that is intended for student self-assessment. Also, every lesson in the student text has an assessment focus question and a corresponding step-by-step blackline master for students that require scaffolding to answer this assessment focus question.

Cautions:

- Web sites are identified in the teacher's guide, but have not been reviewed or authorized by WNCP.
- The video in the ProGuide has not been reviewed by WNCP.

Pearson Math Makes Sense 4 (WNCP Edition): ProGuide Teacher's Guide	2007	Teaching	681826	\$370.60
---	------	----------	--------	----------

Pearson Math Makes Sense 4 (WNCP Edition) (Student Book)	2007	Basic	681818	\$47.60
--	------	-------	--------	---------

Mathematics – Grade 5

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Math Focus 5

WNCP This series includes a full-colour student text, a teacher's resource comprised of 11 booklets and a master resource containing blackline masters. The student book and teacher's resource (with blackline master resource) are sold separately.

The Teacher's Resource consists of one booklet for each unit in the student resource. It contains a curriculum correlation and continuum across the grades. The Math background provides teachers with information on the topics covered in the unit. A planning guide for the unit outlines prerequisite skills, materials and lesson goals. It includes problem solving, reading strategies, connections to other mathematical strands and connections to home and community, and a family letter for each unit. Each lesson begins with a chapter opener with sample questions to pose to the students and mathematical word cards. Each lesson provides the teacher with math background, sample discourse, instructions for the activities and assessment for learning ideas. Differentiating instruction ideas to support a variety of student needs are included. Teachers are provided with guiding questions and possible student answers, as well as closing questions to promote student reflection.

Each chapter of the student book begins with a chapter opener that activates prior knowledge and introduces the unit concepts. This is followed by lessons and reviews including a mid-chapter review. The units culminate with a chapter task that connects the chapter concepts and summarizes the learning for the section. There are also cumulative reviews in the student resource. The goals for each lesson and chapter are clearly identified. Reading strategies are included and new vocabulary is defined and highlighted in the lesson. A variety of solutions to problems are provided. A glossary of instructional works and mathematical words is included in the student resource.

This resource is also available as a digital file for students with special education needs in the password-protected Digital Repository. For information on accessing the Digital Repository, please see the information flyer at <http://www.lrc.education.gov.ab.ca/pdf/Digr-Info-Flyer.pdf>.

Cautions:

- Web sites are identified in this resource but have not been reviewed or authorized by the WNCP.

Math Focus 5 (Student Book)	2008	Basic	735524	\$38.90
-----------------------------	------	-------	--------	---------

Math Focus 5: Teacher's Resource (includes Masters Resource)	2008	Teaching	735532	\$284.05
--	------	----------	--------	----------

Mathematics – Grade 5 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Pearson Math Makes Sense 5, WNCP Edition

This resource includes a student text and a teacher's guide, each sold separately.

WNCP

The teacher resource consists of a booklet for each of the eight units, as well as booklets for Overview, Planning, and Assessment Support. These booklets come in a three-ring binder. The teacher's guide includes an overview, planning and assessment support, key ideas and curriculum links, content background and three-part lessons with model teacher prompts for each lesson. Answers for all practice problems are provided. Connections to literature are listed. Assessment Support includes sections such as Purposeful and Effective Assessment Practices, Assessment for, as and of learning, Assessing Student Progress, Summarizing and Reporting Progress, and District and Provincial Assessment Programs. Ideas for differentiating instruction and using literature are included.

In the student resource, lessons begin with an opening scene that connects the mathematical concepts to the real world. Students return to this opening scene to solve a unit problem at the end of the unit. The lessons are divided into three parts: Explore, Connect and Practice. Each lesson ends with a reflection. Cross-strand investigations, a strategies toolkit, unit problems and step-by-step instructions for using technology are also included. Students are provided with a glossary of key words. The strands, general and specific outcomes and mathematical processes are clearly stated.

Cautions:

- Web sites are identified in this resource but have not been reviewed or authorized by the WNCP.

Pearson Math Makes Sense 5 (WNCP Edition): ProGuide	2008	Teaching	735970	\$370.60
---	------	----------	--------	----------

Pearson Math Makes Sense 5 (WNCP Edition) (Student Book)	2008	Basic	735954	\$47.60
--	------	-------	--------	---------

Mathematics – Grade 7

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Math Focus 7

This resource consists of a hardcover student text and a set of 13 teacher resource modules. The *WNCP* student text and teacher resource are sold separately.

The teacher resource modules present suggestions for lesson plans and the pacing of each chapter. Each of the modules relates to a chapter in the student text. The lesson plans include differentiated instruction suggestions, such as extra-challenge activities and extra student support activities as well as differentiated learning support. Possible specific student misunderstandings are dealt with in the extra support section of the differentiated learning section. Additionally, each teacher module presents extra activities and assessment suggestions, such as rubrics and checklists.

The masters module includes blackline masters for worksheets, assessments and extension activities.

Each chapter in the student text contains a mid-chapter checkup, a chapter self-test, a chapter review, a mathematics game, outcome-related “curious math” activities and a chapter task, as well as periodic cumulative reviews. A variety of solutions to questions are provided to support the use of personal strategies.

This resource is also available as a digital file for students with special education needs in the password-protected Digital Repository. For information on accessing the Digital Repository, please see the information flyer at <http://www.lrc.education.gov.ab.ca/pdf/Digr-Info-Flyer.pdf>.

Cautions:

- Web sites are identified in this resource, but have not been reviewed or authorized by *WNCP*.

Math Focus 7 (Student Text)	Basic	680373	\$57.85
-----------------------------	-------	--------	---------

Math Focus 7: Teacher's Resource	(2007)	Teaching	680381	\$284.00
----------------------------------	--------	----------	--------	----------

Mathematics – Grade 7 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

MathLinks 7

This resource consists of a full-color student resource, a teacher's guide and editable blackline *WNCP* masters which are available on CD-ROM.

The student resource contains 12 units of study. Each unit starts with a problem called a Math Link that connects math and the real world. Lessons follow the basic format of explore or discuss, reflect, review of key ideas, communicate, practice, apply, and extend. At the end of each unit there is a chapter review, a practice test, a wrap up of the chapter problem and a page of math games. Additionally there is a Challenge in Real Life project that can be used for summative assessment using a rubric assessment tool which is provided in the teacher's guide.

The teacher's guide provides a planning chart and assessment planner for each unit. It also provides suggestions for supporting all learners, helping English as a Second Language students and ideas for addressing common misunderstandings. Extra practice and a chapter test are available on the CD-ROM.

This resource is also available as a digital file for students with special education needs in the password-protected Digital Repository. For information on accessing the Digital Repository, please see the information flyer at <http://www.lrc.education.gov.ab.ca/pdf/Digr-Info-Flyer.pdf>.

Cautions:

- The websites identified in this resource have not been reviewed or authorized by the *WNCP*.

MathLinks 7 (Student Text)	Basic	681777	\$57.85
----------------------------	-------	--------	---------

MathLinks 7: Teacher's Resource with CD-ROM	Teaching	681785	\$146.15
---	----------	--------	----------

Mathematics – Grade 7 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Pearson Math Makes Sense 7 (WNCP Edition)

This resource consists of a student text and teacher guide with a DVD and CD-ROM. The student **WNCP** text is hardcover while the teacher guide consists of separate unit booklets within a binder. Both the DVD and CD-ROM contain pdf and editable files. The student text and teacher guide are sold separately.

The teacher guide includes year plans, lesson plans, additional activities, ESL strategies, alternative exploration ideas, strategies to deal with common misconceptions, a how-to help section, extension ideas and assessment tools. Lessons follow a consistent format of a launch to access prior knowledge, introduction to the concept(s), tutorial examples and practice problems. New terms are introduced in bold/colour text boxes. Answers are included in both resources. WNCP outcomes are covered consistently in a concrete to abstract approach.

Student text lessons require the student to explore the concept, make the real-life connection, practise the skill and reflect on what they have learned. The student text is colour and includes mid-unit reviews, unit reviews, practice tests, unit problems, answer keys, a glossary and an index.

This resource provides for both formative and summative assessment. Each unit has assessment focus questions in each lesson, a unit rubric, a reflection of the unit and a unit test.

This resource is also available as a digital file for students with special education needs in the password-protected Digital Repository. For information on accessing the Digital Repository, please see the information flyer at <http://www.lrc.education.gov.ab.ca/pdf/Digr-Info-Flyer.pdf>.

Cautions:

- Web sites are identified in the teacher's guide, but have not been reviewed or authorized by WNCP.

Pearson Math Makes Sense 7 (WNCP Edition) (Student Book)	2007	Basic	680357	\$47.60
Pearson Math Makes Sense 7 (WNCP Edition): Teacher Guide	2007	Teaching	680365	\$370.65

Mathematics – Grade 8

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Math Focus 8

This resource consists of a full-colour student text and a 12-booklet teacher's resource, each sold **WNCP** separately.

The Teacher's Resource consists of one booklet for each unit in the student resource. It contains a curriculum correlation and continuum across the grades. The Math background provides teachers with information on the topics covered in the unit. Key concepts, key principles and chapter goals are provided and a planning guide for the unit outlines prerequisite skills, materials and lesson goals. Each lesson provides the teacher with math background, sample discourse, instructions for the activities and assessment for learning ideas. Differentiating instruction ideas to support a variety of student needs are included.

Each chapter of the student book begins with an exploratory activity that activates prior knowledge and introduces the concept. This is followed by lessons and reviews including a mid-chapter review. The units culminate with a chapter task that connects the chapter concepts and summarizes the learning for the section. There are three cumulative reviews in the student resource. The goals for each lesson and chapter are clearly identified. Reading strategies are included and new vocabulary is defined and highlighted in the lesson. A variety of solutions to problems are provided to model the use of personal strategies. A glossary of instructional works and mathematical words is included in the student resource.

This resource is also available as a digital file for students with special education needs in the password-protected Digital Repository. For information on accessing the Digital Repository, please see the information flyer at <http://www.lrc.education.gov.ab.ca/pdf/Digr-Info-Flyer.pdf>.

Cautions:

- Web sites are identified in this resource but have not been reviewed or authorized by the WNCP.

Math Focus 8 (Student Book)	2008	Basic	735392	\$57.85
Math Focus 8: Teacher's Resource	2008	Teaching	735409	\$284.05

Mathematics – Grade 8 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

MathLinks 8

This resource consists of a hardcover student text and a teacher's resource, each sold separately.

WNCP

The teacher's resource is in a three-ring binder and includes a CD with worked solutions for questions in the student resource and an assessment bank. Each unit begins with a planning chart that outlines how the components work together, planning notes and ideas for meeting student needs. Ideas for assessment as learning and for learning are included for each lesson. Each unit ends with a chapter review, practice test and unit wrap up.

The student resource introduces topics in real-world contexts and provides the students with a list of "What you will learn," key words and literacy links. Lessons begin with an Explore with worked solutions. The "Key Ideas" section summarizes the concepts of the lesson. The "Check Your Understanding" section includes questions for practicing, applying and extending student understanding of the concepts.

This resource is also available as a digital file for students with special education needs in the password-protected Digital Repository. For information on accessing the Digital Repository, please see the information flyer at <http://www.lrc.education.gov.ab.ca/pdf/Digr-Info-Flyer.pdf>.

Cautions:

- Web sites are identified in this resource but have not been reviewed or authorized by the WNCP.

MathLinks 8 (Student Resource)	2008	Basic	735425	\$57.85
--------------------------------	------	-------	--------	---------

MathLinks 8: Teacher's Resource	2008	Teaching	735433	\$146.15
---------------------------------	------	----------	--------	----------

Mathematics – Grade 8 (Continued)

Authorized Resources

Series / Title	Copyright Date	Status	LRC Order No.	Price
----------------	----------------	--------	---------------	-------

Pearson Math Makes Sense 8, WNCP Edition

This resource consists of a full-colour student text and a nine-booklet teacher resource, each sold **WNCP** separately.

The teacher's guide correlates with each unit in the student text. Each unit begins with an activity that introduces the basic curricular concepts. This is followed by lessons and reviews, as well as games, strategies, unit reviews, practice tests and a unit problem. There are three cumulative reviews in the student resource, which include all previous chapters. The goals for each lesson and chapter are clearly identified in both the teacher and student resources. The teacher resource contains a planning table and an assessment chart that includes assessment for, of and as learning strategies. There are assessment rubrics, tools and extension activities.

The student resource is a hardcover text. Lessons begin with an opening scene that connects the mathematical concepts to the real world. Students return to this opening scene to solve a unit problem at the end of the unit. The lessons are divided into three parts: Explore, Connect and Practice. Each lesson ends with a reflection. Cross-strand investigations, a strategies toolkit, unit problems and step-by-step instructions for using technology are also included. Students are provided with a glossary of key words. The strands, general and specific outcomes, and mathematical processes are clearly stated. The "Reflect and Share" sections provide an opportunity for eliciting students' understanding through communication.

This resource is also available as a digital file for students with special education needs in the password-protected Digital Repository. For information on accessing the Digital Repository, please see the information flyer at <http://www.lrc.education.gov.ab.ca/pdf/Digr-Info-Flyer.pdf>.

Cautions:

- Web sites are identified in this resource but have not been reviewed or authorized by the WNCP.

Pearson Math Makes Sense 8 (WNCP Edition): ProGuide	2008	Teaching	735988	\$370.60
---	------	----------	--------	----------

Pearson Math Makes Sense 8 (WNCP Edition) (Student Book)	2008	Basic	735912	\$58.20
--	------	-------	--------	---------

VENDORS/DISTRIBUTORS

Learning Resources Centre (LRC)

12360 – 142 Street

EDMONTON, AB, CANADA T5L 4X9

Telephone: 780-427-5258

Fax: 780-422-9750

Internet: <http://www.lrc.education.gov.ab.ca>

